

# CORIAN® ENDURA™ PROPERTIES

Technical Features	Reference Standard	Test Results
% Water Absorption	ISO 10545-3	Average value 0.08%
Resistance to Low Concentrations of Acids and Alkalis.	ISO 10545-13	ULA-ULB (Satin/Mineral)
Frost Resistance	ISO 10545-12	Resistant
Scratch resistance	UNI EN 15186:2012 met.B	Class A
Moisture Expansion	ISO 10545-10	0.01% (0.1mm)
Breaking Strength in N (Thickness > 7.5 mm)	ISO 10545-4	12 mm Average value 5,500 N
		20 mm Average value 14,000 N
N/mm <sup>2</sup> Flexural Strength Test	ISO 10545-4	12 mm Average value 53 N/mm <sup>2</sup>
		20 mm Average value 52 N/mm <sup>2</sup>
Compression Strength	ASTM C170M-16	Breaking tension 527.9 MPa sample deformation 0.86 mm.
Impact Resistance	EN 14617-9	12 mm Average value 3.03 J
Non-Combustibility	ASTM E136	12 mm – PASS, Weight loss 0.76 %
		20 mm – PASS, Weight loss 0.00 %
Test for Surface Burning Characteristics of Building Materials	ANSI/UL723 (ASTM E84, NFPA 255)	12 mm Flame Spread Index (FSI): 0 Smoke Developed Index (SDI): 0
		GREENGUARD
Volatile Organic Compound Emission	UL 2818	GREENGUARD Gold
Linear Thermal Expansion	ASTM C372	6.23 x 10 <sup>-6</sup> /°C (average over -20° to 80°C) 3.46 x 10 <sup>-6</sup> /°F (average over --4° to 176°F)
Crazing Resistance of Fired Glazed Whitewares by Autoclave Treatment	ASTM C424	No Crazing Observed
Resistance of Ceramic Tile to Chemical Substances	ASTM C650-20	No Effect
Standard Test Method for Determination of Mohs Scratch Hardness of Ceramic Tile	ASTM C1895	Mohs Scratch Hardness 7
Standard Test Method for Moisture Expansion of Fired Whiteware Products	ASTM C370-12	Average Moisture Expansion 0.007%
Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement	ASTM C482-02 (modified)	Substrate: USG Durock ½" Cement Board. Adhesive: Laticrete Tri-Lite Tile and Stone Adhesive Average Bond Strength: 200 psi for 12 mm Corian® Endura™. Failure mode was cohesive failure within mesh backing.
Standard Test Method for Determining Visible Abrasion Resistance of Glazed Ceramic Tile	ASTM C1027-19	Apparent visual difference in gloss or color after 150 revolutions
Relative Resistance to Deep Abrasive Wear of Unglazed Ceramic Tile by Rotating Disc	ASTM C1243-93	Average Volume 53.4 mm <sup>3</sup>
Determination of Resistance to Staining	ASTM C1378-20	Satin Finish No Visual Effect after Cleaning Procedure A; Running Hot Water for 5 minutes

# CORIAN® ENDURA™ PROPERTIES

---

PLEASE VISIT OUR WEB SITE: [WWW.CORIANENDURA.COM](http://WWW.CORIANENDURA.COM) OR CONTACT YOUR CORIAN® REPRESENTATIVE FOR MORE INFORMATION ABOUT CORIAN® ENDURA™.

This information is based on technical data that DuPont Specialty Products USA, LLC and its affiliates ("DuPont") believe to be reliable, and is intended for use by persons having technical skill and at their own discretion and risk. DuPont cannot and does not warrant that this information is absolutely current or accurate, although every effort is made to ensure that it is kept as current and accurate as possible. Because conditions of use are outside DuPont's control, DuPont makes no representations or warranties, express or implied, with respect to the information, or any part thereof, including any warranties of title, non-infringement of copyright or patent rights of others, merchantability, or fitness or suitability for any purpose and assumes no liability or responsibility for the accuracy, completeness, or usefulness of any information. This information should not be relied upon to create specifications, designs, or installation guidelines. The persons responsible for the use and handling of the product are responsible for ensuring the design, fabrication, or installation methods and process present no health or safety hazards. Do not attempt to perform specification, design, fabrication, or installation work without proper training or without the proper personal protection equipment. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents. DuPont shall have no liability for the use of or results obtained from such information, whether or not based on DuPont's negligence. DuPont shall not be liable for (i) any damages, including claims relating to the specification, design, fabrication, installation, or combination of this product with any other product(s), and (ii) special, direct, indirect or consequential damages. DuPont reserves the right to make changes to this information and to this disclaimer. DuPont encourages you to review this information and this disclaimer periodically for any updates or changes. Your continued access or use of this information shall be deemed your acceptance of this disclaimer and any changes and the reasonableness of these standards for notice of changes.

Corian®, the Corian® logo system, Endura™, and all trademarks and service marks denoted with ™, ℠ or ® are trademarks or registered trademarks of affiliates of DuPont de Nemours, Inc., © 2020 DuPont.